Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/03/2020 10:21 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	126558	1	2.27	126646	2.28
Blue	F	SSC	125000	124963	-1	1.84	125703	1.90
Blue	E	FITC	15892	15625	-2	2.93	341	20.92
Blue	D	PE	29999	29296	-3	2.02	636	15.19
Blue	B	PerCP-Cy5-5	43732	43393	-1	3.77	1162	21.15
Blue	A	PE-Cy7	30845	30967	0	6.38	592	42.21
Red	C	APC	46112	44821	-3	2.58	1582	12.53
Red	A	APC-Cy7	30458	29418	-4	2.45	778	12.17
Violet	B	V450	7918	7514	-6	4.36	430	13.09
Violet	A	V500	32171	30689	-5	4.12	721	10.33

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17282	12.18	652	31	N/A	N/A	Pass
Blue	F	SSC	57422	1.40	578	19	N/A	N/A	Pass
Blue	E	FITC	62	67.39	552	9	0.0185	171	Pass
Blue	D	PE	133	50.47	557	9	0.1478	243	Pass
Blue	B	PerCP-Cy5-5	215	49.75	664	8	0.0082	2	Pass
Blue	A	PE-Cy7	109	105.90	710	12	0.0102	18	Pass
Red	C	APC	377	26.03	592	8	0.0226	132	Pass
Red	A	APC-Cy7	171	29.65	562	6	0.0054	1152	Pass
Violet	B	V450	64	58.83	461	3	0.0479	1788	Pass
Violet	A	V500	107	32.48	477	3	0.0236	636	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.77	-32.25	1.03
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.42
Red	15.87	13.60 - 20.40	N/A	N/A	29.59	30.07	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10533

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments